

Appendix table A-1

Standard errors for appendix table 1-17: Percentage of 25- to 29-year-olds who had completed high school, by race/ethnicity and sex: 1990–99

Year	Total			White, non-Hispanic			Black, non-Hispanic			Hispanic		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
1990.....	0.4	0.6	0.5	0.4	0.6	0.5	1.4	2.1	1.9	2.0	2.7	2.8
1991.....	0.4	0.6	0.5	0.4	0.6	0.5	1.4	1.9	1.9	2.0	2.8	2.9
1992.....	0.4	0.5	0.5	0.4	0.6	0.5	1.4	2.0	2.0	2.0	2.7	2.9
1993.....	0.4	0.6	0.5	0.4	0.6	0.5	1.4	1.9	2.0	1.9	2.6	2.8
1994.....	0.4	0.5	0.5	0.4	0.5	0.5	1.1	1.7	1.5	1.2	1.7	1.8
1995.....	0.4	0.5	0.5	0.3	0.5	0.5	1.0	1.5	1.5	1.3	1.7	1.8
1996.....	0.4	0.5	0.5	0.4	0.5	0.5	1.1	1.6	1.6	1.3	1.7	1.9
1997.....	0.4	0.5	0.5	0.3	0.5	0.5	1.1	1.7	1.4	1.2	1.7	1.8
1998.....	0.4	0.5	0.5	0.3	0.5	0.4	1.0	1.5	1.4	1.2	1.7	1.8
1999.....	0.4	0.6	0.5	0.4	0.5	0.5	1.0	1.5	1.4	1.2	1.7	1.8

SOURCE: U.S. Bureau of the Census, March Current Population Survey, various years.

Appendix table A-2

Standard errors for appendix table 2-1: Percentage of 25- to 29-year-old high school completers with some college and percentage that completed college, by sex and race/ethnicity: 1990–2000

Year	Total			Whites, non-Hispanic			Blacks, non-Hispanic			Hispanics		
	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women
Percent with some college												
1990.....	0.6	0.8	0.8	0.7	1.0	0.9	2.0	2.9	2.7	2.6	3.6	3.6
1991.....	0.6	0.8	0.8	0.7	1.0	1.0	2.0	2.8	2.7	2.6	3.6	3.8
1992.....	0.6	0.9	0.8	0.7	1.0	1.0	2.0	2.9	2.8	2.6	3.5	3.8
1993.....	0.6	0.9	0.8	0.7	1.0	1.0	2.0	2.9	2.8	2.5	3.5	3.6
1994.....	0.6	0.8	0.8	0.6	0.9	0.9	1.7	2.5	2.3	1.6	2.2	2.4
1995.....	0.6	0.8	0.8	0.6	0.9	0.9	1.6	2.4	2.3	1.7	2.3	2.4
1996.....	0.6	0.8	0.8	0.7	0.9	0.9	1.7	2.6	2.4	1.7	2.3	2.5
1997.....	0.6	0.8	0.8	0.7	0.9	0.9	1.7	2.6	2.3	1.6	2.3	2.3
1998.....	0.6	0.8	0.8	0.7	1.0	0.9	1.7	2.5	2.3	1.6	2.2	2.3
1999.....	0.6	0.8	0.8	0.7	1.0	0.9	1.7	2.6	2.2	1.6	2.4	2.3
2000.....	0.6	0.8	0.8	0.7	1.0	0.9	1.7	2.7	2.3	1.6	2.3	2.2
Percent that completed college												
1990.....	0.5	0.8	0.7	0.6	0.9	0.8	1.5	2.3	1.9	1.8	2.4	2.7
1991.....	0.5	0.8	0.7	0.6	0.9	0.9	1.3	2.0	1.8	2.0	2.6	3.0
1992.....	0.5	0.8	0.8	0.6	0.9	0.9	1.4	2.0	1.9	1.9	2.5	2.8
1993.....	0.5	0.8	0.8	0.6	0.9	0.9	1.5	2.1	2.1	1.7	2.3	2.6
1994.....	0.5	0.7	0.7	0.6	0.9	0.8	1.2	1.8	1.7	1.1	1.4	1.7
1995.....	0.5	0.7	0.7	0.6	0.9	0.9	1.3	1.9	1.7	1.2	1.6	1.8
1996.....	0.5	0.8	0.8	0.7	0.9	0.9	1.3	1.8	1.9	1.2	1.7	1.8
1997.....	0.6	0.8	0.8	0.7	0.9	0.9	1.3	1.8	1.8	1.2	1.7	1.9
1998.....	0.6	0.8	0.8	0.7	0.9	1.0	1.3	1.9	1.8	1.2	1.6	1.7
1999.....	0.6	0.8	0.8	0.7	1.0	1.0	1.3	1.9	1.8	1.2	1.6	1.7
2000.....	0.6	0.8	0.8	0.7	1.0	1.0	1.4	2.2	1.9	1.2	1.6	1.8

SOURCE: U.S. Bureau of the Census, March Current Population Survey, various years.

Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002

Appendix table A-3

Standard errors for appendix table 2-3: Percentage distribution of 1988 eighth graders, by high school completion status and postsecondary education enrollment, by disability status and type: 1994

Disability status and type	High school completion status			
	Enrolled in high school/working toward GED	Dropped out	High school diploma	GED or equivalent certificate
Total	0.32	0.48	0.71	0.46
Without disabilities.....	0.32	0.53	0.75	0.51
With disabilities.....	1.41	1.23	1.92	0.89
Visual impairment.....	5.05	1.22	5.97	3.78
Hearing impairment or deaf.....	4.14	1.78	5.12	3.72
Speech impairment.....	2.06	2.03	3.02	1.22
Orthopedic impairment.....	2.44	6.64	6.66	1.23
Learning disability.....	1.79	1.85	2.79	1.44
Other disability or impairment ^a	3.02	2.36	3.60	1.24

^aParent reported student had any other disability including health problems, emotional problems, mental retardation, or other physical disabilities and had received services for it.

NOTE: GED refers to passing the General Education Development exam.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *Students With Disabilities in Postsecondary Education: A Profile of Preparation, Participation, and Outcomes*, NCES 1999-187 (Washington, DC, 1999).

Appendix table A-4

Standard errors for appendix table 2-13: Percentage of undergraduates receiving various types of aid and average amount of aid received, by sex and race/ethnicity: Academic year 1995/96

Sex and race/ethnicity	Any aid	Grants	Loans	Work-study	Other
Male.....	1.0	0.8	0.7	0.3	0.4
Female.....	0.9	0.8	0.7	0.3	0.4
White, non-Hispanic.....	0.8	0.7	0.6	0.3	0.4
Asian/Pacific Islander.....	1.9	1.8	1.4	0.7	0.7
Black, non-Hispanic.....	1.9	1.7	1.7	0.6	0.9
Hispanic.....	2.1	2.0	1.6	0.9	0.6
American Indian/Alaskan Native.....	4.6	4.5	3.7	1.4	3.6

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1995–96 National Postsecondary Student Aid Study.

Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002

Appendix table A-5

Standard errors for appendix table 2-14: Percentage distribution of 1989/90 beginning postsecondary students seeking bachelor's degrees, by persistence toward and completion of bachelor's and other degrees, by sex and race/ethnicity: Spring 1994

Sex and race/ethnicity	Completed a degree			Still enrolled for bachelor's ^b	No degree, no longer enrolled toward bachelor's ^c
	Bachelor's	Associate's ^a	Certificate ^a		
Male.....	1.7	1.0	0.7	1.5	1.7
Female.....	1.9	1.3	0.8	1.2	1.6
White, non-Hispanic.....	1.6	1.0	0.6	1.0	1.3
Asian/Pacific Islander.....	6.0	3.1	0.6	4.8	6.4
Black, non-Hispanic.....	3.3	3.1	1.2	2.8	4.1
Hispanic.....	4.8	2.2	3.3	4.6	5.5
American Indian/Alaskan Native.....	S	S	S	S	S

S = data suppressed for reasons of confidentiality and/or data reliability

^aIncludes only students who are no longer working toward a bachelor's degree but who have completed another type of degree or award.

^bIncludes students who have completed another type of degree or award but are still working toward a bachelor's degree.

^cIncludes students who are no longer enrolled and students who are still enrolled but no longer working toward a bachelor's degree.

SOURCE: U.S. Department of Education, National Center for Education Statistics, *The Condition of Education 1998*, NCES 98-013 (Washington, DC: U.S. Government Printing Office, 1998), supplemental table 12-1.

**Appendix table A-6
Approximate standard errors for scientists and engineers in 1999 (total population)**

Estimated number	Total	Male	Female	White	Nonwhite
100.....	175	168	172	178	132
200.....	248	237	244	251	186
500.....	392	375	385	397	294
750.....	480	460	472	486	360
1,000.....	555	531	545	561	416
2,000.....	784	750	771	794	588
3,000.....	961	919	944	972	721
4,000.....	1,109	1,061	1,090	1,123	832
5,000.....	1,240	1,186	1,218	1,255	930
10,000.....	1,754	1,677	1,722	1,775	1,314
25,000.....	2,771	2,650	2,719	2,804	2,072
50,000.....	3,915	3,742	3,836	3,961	2,919
100,000.....	5,527	5,278	5,400	5,590	4,092
250,000.....	8,690	8,276	8,417	8,781	6,301
500,000.....	12,174	11,540	11,612	12,281	8,495
750,000.....	14,767	13,930	13,855	14,871	9,869
1,000,000.....	16,885	15,846	15,564	16,973	10,742
2,000,000.....	22,912	21,003	19,360	22,844	10,725
3,000,000.....	26,824	23,877	19,942	26,483	na
4,000,000.....	29,475	25,258	17,633	28,749	na
5,000,000.....	31,190	25,393	10,698	29,957	na
6,000,000.....	32,117	24,302	na	30,232	na
7,000,000.....	32,326	21,801	na	29,602	na
8,000,000.....	31,830	17,289	na	28,004	na
9,000,000.....	30,595	7,842	na	25,257	na
10,000,000.....	28,525	na	na	20,912	na
11,000,000.....	25,417	na	na	13,506	na
12,000,000.....	20,811	na	na	na	na

na not applicable

NOTES: "Scientists and engineers" include all people holding a bachelor's degree or higher in an S&E field plus people holding a non-S&E bachelor's degree or higher who were employed in an S&E occupation during the 1990s SESTAT surveys. "White" excludes persons of Hispanic origin, who are instead included in the "nonwhite" category.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002

Appendix table A-7
Approximate standard errors for bachelor's scientists and engineers in 1999

Estimated number	Total	Male	Female	White	Nonwhite
100.....	186	183	179	191	138
200.....	263	258	254	270	196
500.....	416	409	401	426	309
750.....	509	500	491	522	379
1,000.....	588	578	567	603	437
2,000.....	832	817	802	853	618
3,000.....	1,018	1,001	982	1,044	757
4,000.....	1,176	1,155	1,134	1,206	874
5,000.....	1,315	1,292	1,268	1,348	977
10,000.....	1,859	1,826	1,792	1,906	1,380
25,000.....	2,937	2,885	2,829	3,012	2,177
50,000.....	4,150	4,073	3,989	4,254	3,065
100,000.....	5,858	5,743	5,610	6,004	4,298
250,000.....	9,209	8,998	8,716	9,431	6,615
500,000.....	12,898	12,528	11,953	13,192	8,915
750,000.....	15,640	15,098	14,169	15,975	10,351
1,000,000.....	17,878	17,146	15,799	18,235	11,259
2,000,000.....	24,227	22,545	18,831	24,554	11,169
3,000,000.....	28,320	25,356	17,747	28,481	na
4,000,000.....	31,061	26,418	11,433	30,941	na
5,000,000.....	32,791	25,946	na	32,271	na
6,000,000.....	33,667	23,851	na	32,609	na
7,000,000.....	33,755	19,617	na	31,988	na
8,000,000.....	33,061	11,006	na	30,347	na
9,000,000.....	31,533	na	na	27,506	na
10,000,000.....	29,042	na	na	23,024	na
11,000,000.....	25,302	na	na	15,540	na
12,000,000.....	19,613	na	na	na	na

na = not applicable

NOTES: "Scientists and engineers" include all people holding a bachelor's degree or higher in an S&E field plus people holding a non-S&E bachelor's degree or higher who were employed in an S&E occupation during the 1990s SESTAT surveys. "White" excludes persons of Hispanic origin, who are instead included in the "nonwhite" category.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

Appendix table A-8

Approximate standard errors for master's scientists and engineers in 1999

Estimated number	Total	Male	Female	White	Nonwhite
100.....	168	161	179	177	137
200.....	237	228	252	251	193
500.....	375	360	399	396	305
750.....	459	441	489	485	374
1,000.....	530	509	564	560	432
2,000.....	749	720	798	793	610
3,000.....	918	882	977	971	747
4,000.....	1,060	1,019	1,129	1,121	863
5,000.....	1,185	1,139	1,262	1,253	964
10,000.....	1,675	1,610	1,783	1,772	1,363
25,000.....	2,648	2,543	2,815	2,801	2,149
50,000.....	3,741	3,590	3,971	3,959	3,026
100,000.....	5,283	5,059	5,587	5,592	4,242
250,000.....	8,316	7,912	8,696	8,813	6,526
500,000.....	11,670	10,983	11,965	12,396	8,786
750,000.....	14,181	13,194	14,234	15,099	10,188
1,000,000.....	16,246	14,932	15,937	17,337	11,064
2,000,000.....	22,228	19,308	19,460	23,962	10,816
3,000,000.....	26,277	21,201	19,341	28,649	na
4,000,000.....	29,208	21,284	15,497	32,255	na
5,000,000.....	31,336	19,580	na	35,114	na
6,000,000.....	32,817	15,512	na	37,397	na
7,000,000.....	33,738	4,970	na	39,207	na
8,000,000.....	34,144	na	na	40,605	na
9,000,000.....	34,052	na	na	41,634	na
10,000,000.....	33,459	na	na	42,320	na
11,000,000.....	32,337	na	na	42,681	na
12,000,000.....	30,628	na	na	42,723	na

na not applicable

NOTES: "Scientists and engineers" include all people holding a bachelor's degree or higher in an S&E field plus people holding a non-S&E bachelor's degree or higher who were employed in an S&E occupation during the 1990s SESTAT surveys. "White" excludes persons of Hispanic origin, who are instead included in the "nonwhite" category.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002

Appendix table A-9
Approximate standard errors for doctoral scientists and engineers in 1999

Estimated number	Total	Male	Female	White	Nonwhite
100.....	99	97	94	104	85
200.....	139	137	133	146	121
500.....	220	217	210	232	191
750.....	270	266	258	284	234
1,000.....	312	307	298	327	270
2,000.....	441	434	421	463	381
3,000.....	539	532	515	567	466
4,000.....	623	614	595	655	538
5,000.....	696	686	665	732	601
10,000.....	984	969	939	1,034	845
25,000.....	1,554	1,525	1,478	1,631	1,315
50,000.....	2,192	2,141	2,074	2,296	1,807
100,000.....	3,084	2,982	2,890	3,218	2,401
250,000.....	4,799	4,490	4,355	4,950	2,945
500,000.....	6,603	5,780	5,619	6,660	na
750,000.....	7,856	6,305	6,149	7,718	na
1,000,000.....	8,795	6,259	6,138	8,374	na
2,000,000.....	10,737	na	na	8,120	na
3,000,000.....	10,668	na	na	na	na
4,000,000.....	8,539	na	na	na	na

na = not applicable

NOTES: "Scientists and engineers" include all people holding a bachelor's degree or higher in an S&E field plus people holding a non-S&E bachelor's degree or higher who were employed in an S&E occupation during the 1990s SESTAT surveys. "White" excludes persons of Hispanic origin, who are instead included in the "nonwhite" category.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

**Appendix table A-10
Scientists and engineers in 1999 (total population): β_0 and β_1 parameters for specified demographic groups**

Degree field and occupation	Parameter	Total	Male	Female	White	Nonwhite
All scientists and engineers.....	β_0	-0.00002	-0.00003	-0.00005	-0.00003	-0.00006
	β_1	307.74838	281.62859	297.07774	315.22684	173.25637
Field of highest degree						
Computer/mathematical sciences.....	β_0	-0.00014	-0.00021	-0.00040	-0.00022	-0.00021
	β_1	238.30346	250.50661	225.56489	281.30536	151.88338
Life sciences.....	β_0	-0.00010	-0.00019	-0.00030	-0.00013	-0.00029
	β_1	263.04618	276.56190	297.08279	274.29995	162.97016
Physical sciences.....	β_0	-0.00013	-0.00020	-0.00040	-0.00017	-0.00045
	β_1	191.05037	211.65869	171.46532	217.56020	121.16321
Social sciences.....	β_0	-0.00006	-0.00014	-0.00013	-0.00008	-0.00010
	β_1	391.98517	394.61136	350.07506	410.02192	218.30068
Engineering.....	β_0	-0.00003	-0.00005	-0.00009	-0.00006	-0.00014
	β_1	173.72197	184.19018	114.07917	205.42315	122.67385
Non-S&E.....	β_0	-0.00002	-0.00007	-0.00003	-0.00002	-0.00019
	β_1	362.78296	349.15063	352.27621	398.80013	229.68120
Occupation						
Computer/mathematical scientist.....	β_0	-0.00001	0.00003	-0.00022	0.00003	-0.00022
	β_1	222.17067	225.58645	263.81063	248.07716	164.28594
Life scientist.....	β_0	0.00002	-0.00011	-0.00003	-0.00004	-0.00005
	β_1	162.64087	152.08679	193.12466	185.56071	97.13051
Physical scientist.....	β_0	-0.00006	-0.00006	-0.00018	-0.00007	-0.00030
	β_1	145.22370	136.95987	150.84816	153.65366	103.17917
Social scientist.....	β_0	0.00001	-0.00027	-0.00007	-0.00004	-0.00030
	β_1	189.71994	208.67765	213.72394	191.99128	135.74938
Engineer.....	β_0	0.00002	0.00004	-0.00034	0.00004	-0.00011
	β_1	190.69903	197.17445	156.12924	188.37016	122.96701
Non-S&E occupation.....	β_0	-0.00003	-0.00005	-0.00008	-0.00004	-0.00010
	β_1	372.55391	366.62209	350.48018	388.08396	203.79014

NOTES: "Scientists and engineers" include all people holding a bachelor's degree or higher in an S&E field plus people holding a non-S&E bachelor's degree or higher who were employed in an S&E occupation during the 1990s SESTAT surveys. "White" excludes persons of Hispanic origin, who are instead included in the "nonwhite" category.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002

Appendix table A-11

Bachelor's scientists and engineers in 1999: β_0 and β_1 parameters for specified demographic groups

Degree field and occupation	Parameter	Total	Male	Female	White	Nonwhite
All bachelor's scientists and engineers.....	β_0	-0.00003	-0.00004	-0.00007	-0.00003	-0.00006
	β_1	345.76312	333.81569	321.92498	363.55902	191.13484
Field of highest degree						
Computer/mathematical sciences.....	β_0	-0.00023	-0.00041	-0.00055	-0.00031	-0.00061
	β_1	277.47804	300.98507	239.70050	294.67208	192.93481
Life sciences.....	β_0	-0.00017	-0.00034	-0.00045	-0.00022	-0.00050
	β_1	322.31076	339.91860	355.23811	342.76698	198.01218
Physical sciences.....	β_0	-0.00036	-0.00059	-0.00073	-0.00045	-0.00104
	β_1	270.32685	312.30207	219.66166	291.16354	170.87214
Social sciences.....	β_0	-0.00008	-0.00020	-0.00015	-0.00010	-0.00017
	β_1	431.44041	465.09638	367.37615	458.98435	238.39416
Engineering.....	β_0	-0.00007	-0.00009	-0.00027	-0.00010	-0.00040
	β_1	200.65872	214.80459	137.43830	228.21721	158.48280
Non-S&E.....	β_0	-0.00038	-0.00042	-0.00048	-0.00038	-0.00004
	β_1	356.29880	326.05010	392.44659	377.09712	182.68328
Occupation						
Computer/mathematical scientist.....	β_0	0.00006	0.00016	-0.00050	0.00009	-0.00027
	β_1	247.69805	260.97694	299.01424	248.49673	196.36168
Life scientist.....	β_0	-0.00041	-0.00064	-0.00053	-0.00033	-0.00423
	β_1	267.62855	282.96504	230.79496	277.87158	200.97213
Physical scientist.....	β_0	0.00018	0.00028	-0.00161	0.00009	-0.00214
	β_1	200.91399	220.12543	174.59927	223.17370	172.67648
Social scientist.....	β_0	-0.00012	0.00028	-0.00209	0.00024	-0.00813
	β_1	391.59005	329.92357	374.54928	409.08087	229.92383
Engineer.....	β_0	0.00002	0.00003	-0.00089	0.00005	-0.00020
	β_1	212.33234	218.63238	175.40824	199.92285	158.09250
Non-S&E occupation.....	β_0	-0.00003	-0.00002	-0.00011	-0.00004	-0.00005
	β_1	413.80692	397.18491	351.06926	444.24003	216.79169

NOTES: "Scientists and engineers" include all people holding a bachelor's degree or higher in an S&E field plus people holding a non-S&E bachelor's degree or higher who were employed in an S&E occupation during the 1990s SESTAT surveys. "White" excludes persons of Hispanic origin, who are instead included in the "nonwhite" category.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

Appendix table A-12

Master's scientists and engineers in 1999: β_0 and β_1 parameters for specified demographic groups

Degree field and occupation	Parameter	Total	Male	Female	White	Nonwhite
All master's scientists and engineers.....	β_0	-0.00002	-0.00004	-0.00006	-0.00001	-0.00006
	β_1	280.81808	259.55041	318.64128	314.08432	186.33419
Field of highest degree						
Computer/mathematical sciences.....	β_0	-0.00051	-0.00066	-0.00180	-0.00108	-0.00023
	β_1	229.98609	225.03016	226.95922	316.13836	102.25294
Life sciences.....	β_0	-0.00076	-0.00159	-0.00086	-0.00092	-0.00104
	β_1	248.75495	257.14653	170.81826	273.86726	122.38972
Physical sciences.....	β_0	-0.00101	-0.00116	-0.00285	-0.00135	-0.00048
	β_1	204.79070	195.57067	197.51872	236.19915	105.83538
Social sciences.....	β_0	-0.00017	-0.00041	-0.00030	-0.00022	-0.00053
	β_1	222.66632	253.44483	213.49174	247.12989	127.55022
Engineering.....	β_0	-0.00020	-0.00023	-0.00065	-0.00031	-0.00017
	β_1	155.09404	160.56347	95.92828	192.63307	99.26671
Non-S&E.....	β_0	0.00000	0.00000	-0.00010	0.00000	-0.00026
	β_1	327.08060	298.66567	393.91455	382.99428	238.20534
Occupation						
Computer/mathematical scientist.....	β_0	-0.00026	-0.00017	-0.00066	-0.00032	-0.00022
	β_1	228.95490	191.32276	225.56785	294.06459	124.69842
Life scientist.....	β_0	-0.00093	-0.00255	0.00028	-0.00124	-0.00169
	β_1	217.07815	234.96015	204.61524	263.42916	115.99420
Physical scientist.....	β_0	-0.00068	-0.00046	0.00147	-0.00113	-0.00186
	β_1	175.23600	152.43634	198.43957	193.23003	103.11800
Social scientist.....	β_0	-0.00041	-0.00025	-0.00079	-0.00066	-0.00158
	β_1	251.97446	292.67170	236.59249	264.01161	169.67809
Engineer.....	β_0	-0.00012	-0.00010	-0.00089	-0.00005	-0.00028
	β_1	148.28276	148.01961	139.50388	164.43166	104.69653
Non-S&E occupation.....	β_0	-0.00003	-0.00011	-0.00004	-0.00003	-0.00007
	β_1	373.39630	349.62567	374.43773	410.55657	211.50237

NOTES: "Scientists and engineers" include all people holding a bachelor's degree or higher in an S&E field plus people holding a non-S&E bachelor's degree or higher who were employed in an S&E occupation during the 1990s SESTAT surveys. "White" excludes persons of Hispanic origin, who are instead included in the "nonwhite" category.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).

Women, Minorities, and Persons With Disabilities in Science and Engineering: 2002

**Appendix table A-13
Doctoral scientists and engineers in 1999: β_0 and β_1 parameters for specified demographic groups**

Degree field and occupation	Parameter	Total	Male	Female	White	Nonwhite
All doctoral scientists and engineers.....	β_0	-0.00002	-0.00006	-0.00005	-0.00004	-0.00015
	β_1	97.06564	94.44642	88.59845	107.28630	72.96765
Field of highest degree						
Computer/mathematical sciences.....	β_0	-0.00028	-0.00037	-0.00179	-0.00052	-0.00077
	β_1	37.62834	41.62299	27.24175	44.38081	32.07953
Life sciences.....	β_0	-0.00010	-0.00016	-0.00036	-0.00009	-0.00037
	β_1	32.56587	34.01286	44.64157	31.20354	40.15677
Physical sciences.....	β_0	-0.00014	-0.00016	-0.00039	-0.00018	-0.00054
	β_1	33.70681	32.82507	32.26803	36.01126	37.70068
Social sciences.....	β_0	-0.00010	-0.00017	-0.00018	-0.00011	-0.00039
	β_1	29.98008	32.29567	25.01193	29.31617	26.69858
Engineering.....	β_0	-0.00012	-0.00012	-0.00156	-0.00022	-0.00004
	β_1	28.61567	29.07171	26.60185	32.84335	25.55628
Non-S&E.....	β_0	-0.00072	-0.00173	-0.00232	-0.00095	-0.00332
	β_1	373.32905	421.22255	303.59259	408.92508	249.95700
Occupation						
Computer/mathematical scientist.....	β_0	-0.00024	-0.00046	-0.00115	-0.00030	-0.00060
	β_1	53.37508	58.66742	68.91037	63.31541	36.09954
Life scientist.....	β_0	-0.00009	-0.00015	0.00008	-0.00009	-0.00031
	β_1	37.65423	37.61122	43.76323	36.29873	36.57734
Physical scientist.....	β_0	-0.00013	-0.00009	-0.00066	-0.00024	-0.00021
	β_1	36.16038	34.36691	41.93698	38.15836	39.51903
Social scientist.....	β_0	0.00010	0.00029	-0.00024	0.00008	-0.00068
	β_1	64.45554	82.28239	51.60141	62.99938	54.08267
Engineer.....	β_0	-0.00010	-0.00009	-0.00154	-0.00009	0.00008
	β_1	33.29740	34.74466	27.23506	29.48511	34.03765
Non-S&E occupation.....	β_0	-0.00011	-0.00028	-0.00017	-0.00020	-0.00064
	β_1	182.29262	190.08102	166.29516	201.24602	134.47307

NOTES: "Scientists and engineers" include all people holding a bachelor's degree or higher in an S&E field plus people holding a non-S&E bachelor's degree or higher who were employed in an S&E occupation during the 1990s SESTAT surveys. "White" excludes persons of Hispanic origin, who are instead included in the "nonwhite" category.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT).